

CLAIMS

The invention claimed is:

1. In a communications-networking environment, a method for automatically presenting the progress of a transaction, comprising:

receiving a transaction that requires completing one or more substeps; and
without user interaction, communicating to one or more display devices one or more indications respectively related to said one or more substeps as said one or more substeps are performed.

2. The method of claim 1, wherein said transaction includes one or more of the following:

modifying call-routing instructions associated with a telecommunications network;

implementing a database update; and

implementing a LERG (Local Exchange Routing Guide) update;

3. The method of claim 2, wherein receiving a transaction includes suspending user control until said transaction is received but prior to when said transaction is completed.

4. The method of claim 1, wherein communicating said one or more indications include communicating the indications to a device other than the device from which the transaction request was submitted.

5. The method of claim 2, wherein communicating said one or more indications include communicating indications corresponding to disparate transactions to one or more display devices.

6. The method of claim 2, wherein said indications respectively related to said one or more substeps correspond to one or more of the following events:

when a transaction is submitted;

when a transaction is received;

when a transaction is validated;

when a transaction is accepted;

when a transaction is reformatted;

when a transaction is sent to one or more network devices; and/or

when one or more messages from said one or more network devices are received.

7. The method of claim 6, wherein said indications include a description of said respective event.

8. One or more computer-readable media having computer-useable instructions embodied thereon for automatically providing real-time transaction-progression status updates, said method comprising:

receiving a transaction, wherein the execution of the transaction involves

performing one or more subprocesses;

generating a plurality of status indicators as said one or more subprocesses

progress; and

dynamically communicating one or more of said plurality of status indicators to a broadcasting device, whereby said plurality of status indicators can be sent to said one or more receiving components.

9. The media of claim 8, wherein receiving a transaction includes receiving one or more of the following:

- a database-update request;
- a table-modification request;
- a LERG (Local Exchange Routing Guide) update; and
- a network-device-configuration change.

10. The media of claim 9, wherein generating a plurality of status indicators include generating an indication of one or more of the following events:

- when a transaction is submitted;
- when a transaction is received;
- when a transaction is validated;
- when a transaction is accepted;
- when a transaction is reformatted;
- when a transaction is sent to one or more network devices; and/or
- when one or more messages from said one or more network devices are received.

11. The method of claim 10, wherein said plurality of status indicators include a description of said respective event.

12. The method of claim 9, wherein dynamically communicating one or more of said plurality of status indicators are accomplished without user intervention.

13. The method of claim 9, wherein dynamically communicating one or more of said plurality of status indicators include sending indicator(s) associated with unique transactions simultaneously.

14. In a communications networking environment, a system for monitoring transaction progression in real time, the system comprising:

- a request-receiving component that receives an incoming transaction;

- a status-monitoring component – coupled to said request-receiving component – that monitors the progression of said transaction and provides feedback related to the status of the transaction's progression toward completion;
- and

- a status-transmission component for receiving said feedback and communicating said feedback to one or more receiving devices.

15. The system of claim 14, wherein said incoming transaction includes one or more of the following:

- a call-routing modification associated with a telecommunications network;

- a database update;

- a LERG (Local Exchange Routing Guide) update;

- a table-modification request; and

- a network-device-configuration change.

16. The system of claim 15, wherein said request-receiving component retains processing control while receiving said incoming transaction but releases processing control prior to final execution of said transaction.

17. The system of claim 16, wherein the status-monitoring component identifies a plurality of events that are accomplished as said transaction progresses toward final execution.

18. The system of claim 17, wherein the plurality of events include one or more of:

submitting a transaction to process;

receiving a transaction;

validating a transaction;

accepting a transaction;

sending a transaction to one or more network devices; and

receiving one or more responses from said network devices.

19. A system for asynchronously monitoring network transactions in real time, the system comprising:

a first user-interface component for submitting one or more transaction requests;

a transaction-processing system for receiving said one or more transaction requests, monitoring the transaction request(s) progression toward completion, and providing updates related to said progression; and

a second user-interface component – which can be said first interface component – for receiving said one or more updates and simultaneously presenting said updates, which can be related to distinct transactions.

20. The system of claim 19, wherein the transaction-processing system identifies a plurality of events that are accomplished as said transaction progresses toward completion.

21. The system of claim 20, wherein said second user-interface component presents said updates on a display device.

22. The system of claim 21, wherein said second user-interface component includes functionality to view a historical log of said updates.

23. In a networking environment, a method for performing transaction updates asynchronously comprising:

receiving from a user a request to execute one or more transactions;

withholding processing control from said user while communicating said one or more transactions to a transaction receiver; and

returning processing control to said user incident to completing communication of said one or more transactions to said transaction receiver but prior to the execution of said one or more transactions.